

REPORT ON BOILERS.

No. 11390.

5a.

Writing Report 27th Sept. 1922 When handed in at Local Office

Received at London Office

Port of Southampton NOV. 15 1922

Survey held at Cowes.

Date, First Survey

Last Survey

Book.

on the STEEL SS. "HITHERWOOD."

(Number of Visits)

Gross 1680

Tons Net 1000.

Built at Cowes.

By whom built J.S. White & Co. Ltd

When built 1922.

made at Cowes.

By whom made J.S. White & Co. Ltd

when made 1922.

made at Cowes.

By whom made J.S. White & Co. Ltd

when made 1922.

red Horse Power 200.

Owners C.A. Stewart & Co

Port belonging to London.

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel M. Beardmore & Co.

for record S. Total Heating Surface of Boilers 3,400^{sq} ft Is forced draft fitted no. No. and Description of

Two, single-ended. Working Pressure 180 lbs. Tested by hydraulic pressure to 360 lbs. Date of test 31.5.22.

Certificate 365. Can each boiler be worked separately yes. Area of fire grate in each boiler 50^{sq} ft No. and Description of

valves to each boiler 2 Spring-loaded. Area of each valve 5.93^{sq} ft Pressure to which they are adjusted 182 lbs.

ry fitted with easing gear yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no.

st distance between boilers or uptakes and bunkers or woodwork 12" Mean dia. of boilers 13'-9" Length 10'-9"

al of shell plates S. Thickness 1 1/8" Range of tensile strength 28-32. Are the shell plates welded or flanged ✓

o. of riveting: cir. seams D.R.L. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 3/16" Pitch of rivets 8 3/8"

plates or width of butt straps 16 7/8" Per centages of strength of longitudinal joint rivets 89.5 Working pressure of shell by

182. Size of manhole in shell 16"x12" Size of compensating ring 28 1/4"x32 1/4" No. and Description of Furnaces in each

3 corrugated Material S. Outside diameter 3'-6 1/4" Length of plain part top Thickness of plates bottom 17"

option of longitudinal joint welded. No. of strengthening rings ✓ Working pressure of furnace by the rules 18.7. Combustion chamber

Material S. Thickness: Sides 3/4" Back 3/4" Top 3/4" Bottom 3/4" Pitch of stays to ditto: Sides 8"x9 1/2" Back 8 3/8"x9 1/4"

If stays are fitted with nuts or riveted heads nuts Working pressure by rules 184. Material of stays S. AREA

part 1.787^{sq} ft Area supported by each stay 77 1/2^{sq} ft Working pressure by rules 192. End plates in steam space: Material S. Thickness 1 1/4"

of stays 20x19 1/4" How are stays secured Nuts & Ws Working pressure by rules 185. Material of stays S. AREA

supported by each stay 395^{sq} ft Working pressure by rules 182.5 Material of Front plates at bottom S. Thickness 15/16" Material of

back plate S. Thickness 15/16" Greatest pitch of stays 8 3/8"x9 1/4" Working pressure of plate by rules 200. Diameter of tubes 3 1/4"

of tubes 4 1/2"x4 7/16" Material of tube plates S. Thickness: Front 1" Back 13/16" Mean pitch of stays 13 1/2"x9" Pitch across wide

spaces 14" Working pressures by rules 194. Girders to Chamber tops: Material S. Depth and thickness of

at centre 9 1/4"x1 7/16" Length as per rule 31.4. Distance apart 9 1/2" Number and pitch of Stays in each 3, 8" pitch

g pressure by rules 209. Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

ely Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

ned with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

g. pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

For J. SAMUEL WHITE & COMPANY, Ltd.
The foregoing is a correct description.

Whiting Manufacturer.

During progress of work in shops - - -
During erection on board vessel - - -
See Mch. Rept.

Is the approved plan of boiler forwarded herewith

Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

Survey Fee ... £ : : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Committee's Minute

TUE NOV. 21 1922

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

FRI. 8 JUN. 1923



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